

**METHODS FOR OUTPUT EDGE BALANCING  
IN PULSE WIDTH MODULATION SYSTEMS  
AND DATA CONVERTERS USING THE SAME**

**ABSTRACT:**

[0077] A method of performing digital to analog conversion includes generating a pulse width modulated data stream and another pulse width modulated data stream, encoding patterns of the pulse width modulated data stream selected to minimize distortion in the another pulse width modulated stream caused by edges in the pulse width modulated data stream. The pulse width modulated data stream and the another pulse width modulated data stream are converted into an analog signal and another analog signal converting in corresponding digital to analog conversion elements and the analog signal and the another analog signal are summed to generate an analog output signal.

DALLAS\_1\3864656\3  
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